

GLINKOV, M.A., prof., doktor tekhn. nauk

Thermal processes in a steel smelting bath. Stal' i splavy:  
689-693 Ag '64. (MIRA 17:9)

1. Moskovskiy institut stali i splavov.



7-SHCHINAK. At the same time, the...  
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GLUSHKOV, P.A., prof., doktor tekhn. nauk

The place of modern scientific research. Moscow, 1980, 11, 9-12  
N 184. (MIRA 18:2)

1. Moskovskiy institut stali: 1 slyaviv.

YALOVSKIY, V.I., ed.; ALBEIN, A.S., ed.; LARIN, Ye.A.,  
red.; GLINOV, A.A., red.; ZAKHAROV, Ye.Ye., red.;  
KAPUSTIN, Ye.A., red.; KOSHOV, V.S., red.; KUDRIN, V.A.,  
red.; LAFITSKIY, V.I., red.; LEVIL, S.L., red.; OYED,  
G.N., red.; LCHENET, V.A., red.; URMENIN, E.V., red.;  
FILIPPOV, S.I., red.

[Theory and practice of the intensification of processes  
in converters and open-hearth furnaces; transactions]

Teoriya i praktika intensivatsii protsessov v konverte-  
rakh i martenovskikh pechakh; trudy. Moskva, Metallurgiya,  
1965. 582p. (MLA 18:10)

1. Mezhdunarodnoye nauchnoye soveshchaniye po teorii i  
praktike intensivatsii protsessov v konverterskikh i mar-  
tenovskikh pechakh. 2. Moskovskiy institut stali i splavov  
(for Filippov). 3. Zhdanovskiy metalurgicheskii institut  
(for Kapustin). 4. Ural'skiy politekhnicheskii institut  
(for Umrkhin).

GLINKOV, M.A. (Moskva)

Problems in the general theory of heat processes in heat-generating  
furnaces. Izv. AN SSSR. Mekh. 5-111 5-111 5-111 5-111 '65.

(MIRA 18:8)

GLINKOV, M.A.; KAGANOV, Yu.V.; NALZHAPOV, P.M.; BLINOV, O.M.; MUGAPAF-  
SAYILI, K.P.; MAGEPMAM-ZADE, I.I.

Calculation method for obtaining current information on heat  
exchange processes in soaking pits. Izv. vys. usheb. zav.;  
chern. met. 8 no.9:187-191 '65. (MEPA 18:9)

1. Moskovskiy institut stal i splavov.

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410007-8

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CIA-RDP86-00513R000515410007-8"



GLINKOV, YE. G.

Jul 1946

USSR/Night Vision  
Vision

"Night Vision," Engr-Rear Admiral Ye. G. Glinkov, 12 pp

"Morskoy Sbornik" No 7

Night vision is important for seamen and pilots who are liable to be on duty during night hours. The article discusses the physiology of vision, the achromatism of night vision, methods of attaining dark adaptation, use of fluorescent printing on charts and maps, and some rules to be used for dark adaptation.

30160

ISAKOV, I.S., prof., admiral flota v otstavke, otv.red.; SHULEYKIN, V.V., akademik, inzh.-kapitan 1 ranga, zastititel' otv.red. po II tomu; DEMIN, L.A., dotsent, kand.geograf.nauk, inzh.-kapitan 1 ranga, glavnyy red.; ABAM'KIN, P.S., admiral, red.; VIZE, V.Yu., red.; GERASIMOV, I.P., red.; GLINKOV, Ye.G., inzh.-kontr-admiral, red.; DROZDOV, O.A., prof., doktor geograf.nauk, red.; ZOZULYA, F.V., vitse-admiral, red.; PAVLOVSEIY, Ye.N., akademik, general-leytenant morskoy sluzhby, red.; POGOSYAN, Kh.F., prof., doktor geograf.nauk, red.; RUBOVITS, L.F., doktor geograf.nauk, red.; SKORODUKOV, L.A., kontr-admiral, red.; SHIRSHOV, P.F., akademik, red. [deceased]; BASHILOV, G.Ya., inzh.-kapitan 2 ranga, uchenyy sekretar'; SEREGIN, M.P., kapitan 1 ranga, red.kart; RYABCHIKOV, S.T., podpolkovnik, red.kart; YEMOR'YEVA, A.V., kand.geograf.nauk, red.kart; AVER'YANOVA, P.S., kand.geograf.nauk, red.kart; BUGORKOVA, O.S., red.kart; GAPONOVA, A.A., red.kart; DMITRIYEVA, T.V., red.kart; DOTSENKO, Ye.I., red.kart; KOLYUKOVA, L.G., red.kart; KONDOVA, Ye.N., red.kart; LUKANOVA, L.S., red.kart; SMIRNOVA, V.G., kand.geograf.nauk, red.kart; CHECHULINA, Ye.P., red.kart; SHKOL'NIKOV, A.M., red.kart; GRIN'KO, A.M., tekhn.red.; IVANOVA, M.A., tekhn.red.; MOROZOVA, A.F., tekhn.red.

[Marine atlas] Morskoi atlas. Otv.red.I.S.Isakov. Glav.red. L.A. Demin. Izd. Morskogo general'nogo shtaba. Vol.2 [Physical geography] Fiziko-geograficheskii. Zastititel' otv.red. po II tomu V.V. Shuleikin. 1953. 76 maps. (MIRA 12:1)

1. Russia (1923- U.S.S.R.) Voenno-morskoye ministerstvo. 2. Chlen-korrespondent Akademii nauk SSSR (for Vize, Gerasimov). (Ocean--Maps) (Harbors--Maps)

LEVCHENKO, G.I., admiral, otvetstvennyy red.; DEMIN, L.A., dots., kand. geogr. nauk, inzh.-kontr-admiral, glavnyy red.; FUMKIN, N.S., polkovnik, zamestitel' otvetstvennogo red.; ABAN'KIN, P.S., admiral, red.; ALAFUZOV, V.A., prof., kand. voenno-morskikh nauk, admiral, red.; ANAN'ICH, V.Ye., kontr admiral zapasa, red.; ACHKASOV, V.I., kand. istor. nauk, kapitan 1 ranga, red.; BARANOV, A.N., red.; BELLI, V.A., prof., kontr-admiral v otstavke, red.; BESKROVNYI, L.G., prof., doktor istor. nauk, polkovnik zapasa, red.; BOLTIN, Ye.A., kand. voen. nauk, general-mayor, red.; VERSHININ, D.A., kapitan 1 ranga, red.; VITVER, I.A., prof., doktor geogr. nauk, red.; GEL'FOND, G.M., dots., kand. voenno-morskikh nauk, kapitan 1 ranga, red.; GLINKOV, Ye.G., inzh.-kontr-admiral v otstavke, red.; YELISEYEV, I.D., vitse-admiral, red.; ZOZULYA, F.V., admiral, red.; ISAKOV, I.S., prof., Admiral Flota Sovetskogo Soyuza, red.; KAVRAYSKIY, V.V. [deceased], prof., doktor fiz.-mat. nauk, inzh.-kontr-admiral v otstavke, red.; KALESNIK, S.V., red.; KOZLOV, I.A., dots. kand. voenno-morskikh nauk, kapitan 1 ranga, red.; KOMAROV, A.V., vitse-admiral, red.; KUDRYAVTSEV, M.K., general leytenant tekhnicheskikh voyak, red.; LYUSHKOVSKIY, M.V., dots., kand. istor. nauk, polkovnik, red.; MAKSIMOV, S.N., dots., kand. voenno-morskikh nauk, kapitan 1 ranga, red.; OKUN', S.B., prof., doktor istor. nauk, red.; ORLOV, B.P., prof., doktor geogr. nauk, red.; PAVLOVICH, N.B., prof., kontr-admiral v otstavke, red.; PANTELEYEV, Yu.A., admiral, red.; PETERSKIY, N.A., kand. voenno-morskikh nauk, kontr-admiral, red.; PLATONOV, S.P., general-leytenant, red.; POZNYAK, V.G., dots., general leytenant, red.; SALISHCHEV, K.A., prof., doktor tekhn. nauk, (Continued on next card)

LEVCHENKO, G.I.—(continued) Card 2.  
 red.; SIDOROV, A.L., prof., doktor istor. nauk., red.; SKRODUMOV,  
 L.A., kontr-admiral, red.; SNEZHINSKIY, V.A., prof., doktor  
 voenno-morskikh nauk, inzh.-kapitan 1 ranga, red.; SOLOV'YEV, I.N.,  
 dots., kand. voenno-morskikh nauk, kapitan 1 ranga, red.; STALBO,  
 K.A., kontr-admiral, red.; STEPANOV, G.A. [deceased], dots., vitse-  
 admiral, red.; TOMASHEVICH, A.V., prof., doktor voenno-morskikh  
 nauk, kontr-admiral v otstavke, red.; TRIBITS, V.F., kand. voenno-  
 morskikh nauk, admiral, red.; CHERNYSHOV, P.I., kontr-admiral, red.;  
 SHVEDE, Ye.Ye., prof. doktor voenno-morskikh nauk, kontr-admiral,  
 red.; CHURBAKOV, A.I., tekhn. red.; VASIL'YEVA, Z.P., tekhn. red.;  
 VIZIROVA, G.N., tekhn. red.; GOROKHOV, V.I., tekhn. red.; GRIN'KO,  
 A.M., tekhn. red.; KUBLIKOVA, M.M., tekhn. red.; MALINKO, V.I.,  
 tekhn. red.; SVIDERSKAYA, G.V., tekhn. red.; CHERNOGOROVA, L.P.,  
 tekhn. red.; GUREVICH, I.V., tekhn. red.; BUKHANOVA, N.I., tekhn.  
 red.; NIKOLAYEVA, I.N., tekhn. red.; RADOVIL'SKAYA, E.O., tekhn.  
 red.; TIKHOMIROVA, A.S., tekhn. red.; BELOCHKIN, P.D., tekhn. red.;  
 LOYKO, V.I., tekhn. red.; ROMANYUK, I.G., tekhn. red.; YAROSHEVICH,  
 K.Ye., tekhn. red.

[Sea atlas] Morskoi atlas. Otv. red. G.I. Levchenko. Glav. red.  
 L.A. Demin. [Moskva] Izd. Glav. shtaba Voenno-morskogo flota.  
 Vol.3. [Military and historical. Pt.1. Pages 1-45] Voenno-istori-  
 cheski. Zamestitel' otv. red. po III tomu N.S. Frankin. Pt.1.  
 Listy 1-45. 1958. \_\_\_\_\_ [Military and historical maps, pages 46-52]  
 (Continued on next card)

LEVCHENKO, G.I.---(continued) Card 3.

(MIRA 11:10)

Voenno-istoricheskie karty, listy 46-52. 1957.

1. Russia (1923- U.S.S.R.) Ministerstvo oborony. 2. Nachal'nik  
Glavnogo upravleniya geodezii i kartografii Ministerstva vnutrennikh  
del SSSR (for Baranov). 3. Chlen-korrespondent Akademii nauk SSSR  
(for Kalosnik). 4. Deystvitel'nyy chlen Akademii pedagogicheskikh  
nauk RSFSR (for Orlov).

(Ocean--Maps)

GLINKOWA, Krystyna; LAZUGA, Kazimierz.

Experimental evaluation of protective creams against brucellosis in agricultural workers. Ann.Univ. Lublin;sec.D 8:63-70 1953.

1. Z Instytutu Medycyny Pracy Wsi w Lublinie. Dyrektor: prof. dr. Jozef Parnas. Dzial Antropozoonoz. Kierownik: prof. dr. Josef Parnas.

(BRUCELLOSIS, prevention and control,  
ointments for agricultural workers)

(OINTMENTS,  
prevention of brucellosis in agricultural workers)

(AGRICULTURES,  
prevention of brucellosis with ointment in workers)







K W A K  
Excerpta Medica Sec 17 Public Health Vol. 1/6 June 55

2267. GLINKOWA K. and LAZUGA K. Inst. med. Pracy Wsi, Lublin. "Doś-  
wiadczenia o efektywności ochronnej kremów przeciw brucellozie dla robot-  
ników rolnych. Experimental investigations on the efficiency  
of protective creams against brucellosis for agricultur-  
al workers ANN. UNIV. LUBLIN, SECT. D 1954, 8: 1953 (63-70)

None of the creams put on trial offered reliable protection of the hands against  
brucella infections. As an emergency measure a thick layer of protective cream  
(containing streptomycin or sulphadiazin) may be helpful. The condition of the  
skin of the hands should be carefully watched, as the slightest abrasion or burst  
may serve as an entry port. For workers in the veterinary and zootechnical ser-  
vices only rubber gloves guarantee protection. From authors' summary

[illegible]

1. *Journal of the American Medical Association*, 1997; 277: 1033-1037.

[illegible]

Monthly Index of Current Prices for 1911. Vol. 2, No. 1,  
February 1912

CHURILIN, Nikolay Evsteevich; GLENNER, R.G., nauchn. red.;  
KOROTINA, I.A., red.

[Handbook on the organization and equipment of the  
technological study room in enterprises for the produc-  
tion of rubber goods; methodological textbook] Kuznetsovo  
po organizatsii i oborudovaniu tekhnologicheskogo kabi-  
neta na predpriyatiyakh po proizvodstvu rezinovykh izdelii;  
metodicheskoe posobie. Moskva, Vysshaya shkola, 1965. 74 p.  
(MIRA 19:77)

✓ KOSTOMAROV, I.F.; MOSYAK, A.A.; GLININOV, F.I.

Semiautomatic machine for the assembly and disassembly of electric  
motor rotors. Lit.proizv. no.2:20-21 P. 196. (LIT 13:5)  
(Die casting) (Founding: Equipment and supplies)

GLINORYBOV, Yakov Il'ich, inzh.; OKHRIMENKO, Veniamin Antonovich, inzh.  
Prinimal uchastiye: TEODOROVICH, B.A.. KHARCHENKO, A.P., otv.  
red.; KOROLEVA, T.I., red.izd-va; KOROVENKOVA, Z.A., tekhn.red.

[Ways of increasing the effectiveness of underground hydraulic  
coal mining] Puti povysheniia effektivnosti podzemnoi gidro-  
dobychi uгля. Moskva, Ugletekhizdat, 1959. 205 p.

(MIRA 12:8)

(Coal mines and mining) (Hydraulic mining)

GLINOV, V. A.

USSR/Chemistry - Dyes

Card : 1/1 Pub. 116 - 9/20

Authors : Krasovitskiy, B. M., Glinov, V. A., Matskevich, R. M. and Slavina, O. S.

Title : On the substantiveness of dyes - benzanilide derivatives.

Periodical : Ukr. khim. zhur. 20, Ed. 4, 392 - 395, 1954

Abstract : The effects of CO-NH grouping and amide grouping, having a non-substituted H on the substantiveness of dyes - benzanilide derivatives -, were investigated. The material, necessary for the synthesis of the dyes, is described. The sharp drop in dye selectivity, due to the absence of the H-atom at the N-amide grouping, was determined on the basis of graphs. Four references: 2-USA; 1-German and 1-Italian (1921-1949).

Institution : The A. M. Gorkiy State University and K. E. Voroshilov Scient. - Research Institute of Organ. Semi-Products and Dyes, Kharkov

Submitted : December 21, 1953

BOBER, Stanislaw; GLINSKA, Danuta; SOSZKA, Adam

Case of myocardial infarct of the septum. Polski tygod. lek. 9  
no.17:522-524 26 Apr 54.

1. 3 Kliniki Chorob Wewnętrznych Akademii Medycznej w Warszawie:  
kierownik prof. dr med. Andrzej Biernacki.  
(MYOCARDIAL INFARCT,  
interventric, septum, case report & autopsy)

*GLINSKA, DANUTA*

GLINSKA, Danuta; PIETRASZKIEWICZ, Eugeniusz.

No translation. Polskie arch. med. wewn. 25 no.1:81-87 1955.

1. Z klin. chor. wewn. A.M.W. Warszawie; kier. prof. dr. med.  
Andrzej Biernacki.

(NEPHROSCLEROSIS

Kimmelstiel-Wilson synd. pathol.)

(DIABETES MELLITUS, complications

Kimmelstiel-Wilson synd., pathol.)



BIERNACKI, Andrzej; CZARNIECKI, Wincenty; DORYWALSKI, Tadeusz; GLINSKA,  
Danuta; KOWALSKA, Maria; KROCKIEMSKI, Andrzej; SICINSKI, Alfred  
STASIAKOWA, Lucja; SZAJEWSKI, Janusz; WALASZEWSKA, Barbara

Remote results of conservative therapy of peripheral vascular diseases.  
Polskie arch.med. wewn. 28 no.5:771-778 1958.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Warszawie. Kierownik:  
prof. dr nauk med. A. Biernacki.  
(VASCULAR DISEASES, PERIPHERAL, ther.  
drug. ther., follow-up (Pol))

DORYWALSKI, Tadeusz; GLINSKA, Danuta; PRZETAKIEWICZ, Zbigniew, SZCZERBAN,  
Jerzy

Novocain block in therapy chronic peripheral vascular diseases.  
Polskie arch.med. wewn. 28 no.5:831-833 1958

1. Z I Kliniki Chorob Wewnętrznych A.M. w Warszawie Kierownik: prof.  
dr nauk med. A. Biernacki i z I Kliniki Chirurgicznej A.M. w Warszawie  
Kierownik: prof. dr med. T. Butkiewicz. Adres autora: Warszawa, ul.  
Nowogrodzka 59, I Klinika Chorob Wewnętrznych A.M.

(VASCULAR DISEASES, PERIPHERAL, ther.  
procaine block, statist. (Pol))

(PROCAINE, ther. use  
block in peripheral vasc. dis., statist. (Pol))

(ANESTHESIA, REGIONAL, in var. dis.  
procaine nerve block in peripheral vasc. dis (Pol))

DORYWALSKI, Tadeusz, GLINSKA, Danuta

Treatment of chronic peripheral vascular diseases by intravenous typhoid vaccines . Polskie arch. med. wewn. 28 no.5:844-847 1958.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Warszawie kierownik:  
prof. dr nauk med. A.Biernacki. Adres: Warszawa, ul. Nowogrodzka 59,  
I Klinika Chorob Wewn A.M.

(TYPHOID FEVER, immunology,  
vaccine, ther. of peripheral vasc. dis. (Pol))  
(VASCULAR DISEASES, PERIPHERAL, ther.  
typhoid vaccine (Pol))

KOWALSKA, Maria; GLINSKA, Danuta; WAIASZEWSKA, Barbara

Analysis of the cases treated in the Outpatient Unit for Peripheral Vascular Diseases of the 1st Clinic for Internal Diseases of the Academy of Medicine in Warsaw. Polski tygod. lek. 14 no.22:1022-1025  
1 June 59.

1. (Kierownik kliniki: prof. dr nauk med. A. Biernacki).  
(VASCULAR DISEASES, PERIPHERAL, statist.  
clin. statist. (Pol))

KOŁODZIEJSKA, Hanna; OSZACKI, Jan; GLIŃSKA, Halina

Management of lymph nodes in labial cancer according to observations at the Institute of Oncology in Krakow. Polski tygod. lek. 11 no.34: 1481-1485 20 Aug 56.

1, (Z Instytutu Onkologii, Oddział w Krakowie; dyrektor: doc. dr. med. Hanna Kołodziejaska) Krakow, Instytut Onkologii.

(LIPS, neoplasms,

surg., submaxillary lymph node excis. (Pol))

(LYMPH NODES, surgery,

submaxillary excis. in cancer of lips (Pol))

EXCERPTA MEDICA, Dec 16 Vol 7/11 Cancer November 69

**\*4945. The treatment of cancer of the breast by testosterone** Leczenie raka sutki testosteronem. GIENSKA H. Inst. Onkol., Oddz., Kraków *Nowość* 1970, 9:2 (145-155). Tables 6. Illus. 4.

Testosterone treatment was applied in 37 cases with histologically confirmed cancer. Age of the patients was from 25-69 yr., 20 women being in the pre- and 17 in the post-menopausal period. Prior to the testosterone treatment, castration had been performed in all pre-menopausal and 7 post-menopausal women. Testosterone was administered daily (50 mg.) or every second day (100 mg.), the weekly dose amounting to 400 mg. The maximal dose was 14,000 mg.; no side effects were seen. Total or partial regression of the disease was observed in 9 patients, with inhibition of tumour growth in 4, and a negative result in 24 persons. Subjective improvement was noticed in 29 patients. The majority of patients with a period of tumour development shorter than 6 months remained unaffected, whereas among patients in which the development of cancer took more than 12 months the number of reacting and non-reacting persons was equal. In younger pre-menopausal women the proportion of negative and positive reactions was similar to that found in post-menopausal women. In pre-menopausal women the results were better in those who had been subjected to surgical castration than in those who had had X-ray intervention. It is likely that castration following the menopause does not influence the effect of hormonal treatment. Out of 8 women with distant metastases, an improvement was obtained in one case only, consisting in an almost complete regression of the tumour and calcification of osteolytic metastases of the pelvic bones; the duration of clinical improvement in this case amounted to 11 months. Among the remaining 7 women with osseous and pulmonary metastases, subjective transitory improvement was observed in 5 cases, none being found in cases with metastases in the liver. Histologically it was observed that the testosterone treatment brought about a transformation of massive cancer lesions into single, scattered cells with degenerative features consisting in a loss of stainability and condensation of nuclei. The results presented confirm the value of treatment using high testosterone doses in patients with advanced breast cancer.

Albert - Wrocław (XVI, 9)

KOŁODZIEJSKA, Hanna; ADAMCZYK, Bogumił; GLIŃSKA, Halina

Palliative therapy of advanced breast cancer with cortisone.  
Polski tygod. lek. 15 no. 16: 591-594 18 Ap '60.

1. Z Instytutu Onkologii w Krakowie; dyrektor: doc. dr. med. H.  
Kołodziejska.

(CORTISONE ther.)

(BREAST NEOPLASMS ther.)

GLINSKA, Halina

Results of the treatment of malignant granuloma. Nowotwory  
13 no.2:151-156 '63.

1. Z Instytutu Onkologii w Krakowie Dyrektor: doc. dr med.  
H. Kolodziejaska.  
(HODGKIN'S DISEASE) (NEOPLASM THERAPY)  
(STATISTICS)



GLENN, Halina

Evaluation of chemotherapy in malignant granuloma. Nowotwory  
13 no.2 157-163 '63.

1. Z Instytutu Onkologii w Krakowie Dyrektor: doc. dr med.  
H. Kołodziejaska.

(HODGKIN'S DISEASE)  
(NITROGEN MUSTARD COMPOUNDS)  
(TRIETHYLENE MELAMINE)  
(MANNOMUSTINE) (PREDNISONE)  
(ACTINOMYCIN)

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1. The first part of the document

describes the general situation of the country

and the results of the survey.

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CIA-RDP86-00513R000515410007-8"

KOŁODZIEJSKA, Hanna, prof. dr. med.; ULIŃSKA, Eulima

Clinical characteristics of neoplasms of the lymphatic system.  
Nowotwory 15 no.1:5-10 Ja-Ma<sup>1955</sup>.

1. Z Instytutu Onkologii w Krakowie (Dyrektor prof. dr. med.  
H. Kołodziejaska).

GLINSKA, Halina

Value of chemotherapy in the treatment of malignant tumors.  
Wiad. lek. 18 no.2:157-158 15 Ja '65

MINNEAPOLIS, Minn.

Service of the Department of Geological Engineering and Geology  
Department of Geological Engineering and Geology, University of Minnesota  
100 S. S. Johnson Drive, Minneapolis, Minn. 55455

1. The Department of Geological Engineering and Geology, University of Minnesota  
2. The Department of Geological Engineering and Geology, University of Minnesota

GLINSKA, Halina; PAWLICKI, Marek

Evaluation of palliative "methotrexate" therapy of breast cancer in women. (Preliminary communication). Nowotwory 15 no.3:275-278 J1-S '65.

1. P. Instytutu Onkologii w Krakowie (Dyrektor: prof. dr. med. H. Kolodziejska).

*From 17-10-50-70*  
OLINSKA, I

5  
3

✓ Production of tungsten carbide and cobalt powder. W. Rutkowski,  
B. Razumowski, and I. Głinska. *Prace Inst. Metal.*, 1952, 4, 153.  
160).—WC regenerated by fusion of scrap sintered carbides with  
Zn is found unsuitable for production of high-quality sintered  
carbides. Sintered WC prepared with addition of Co powder  
obtained from reduction of formate is of better quality than are  
those prepared with electrolytic Co. S. K. Lachowicz.

DANIELEWICZ, J.; GLINSKA, Z.; GORALOWNA, M.; MEISLOWA, P.; STOPNICKA, M.

Observations on complications following oral administration of  
BCG vaccine. *Pediat. polska* 27 no. 5:507-528 May 1952. (CLML 22:4)



GLINSKAS, I., agronom po zashchite rasteniy

Each farm will have its machinery operator. Zashch. rast. ot vred.  
1 bol. 7 no.3:14-15 Mr '62. (MIRA 15:11)

1. Kedaynskoye oporno-pokazatel'noye khozyaystvo, Litovskaya SSR.  
(Kedainiai District--Plants, Protection of)

GLINSKAYA, I.P.

Training teachers to teach mechanical drawing as a second subject.  
Politekh. obuch. no.1:73-75 Ja '58. (MIRA 10:12)  
(Mechanical drawing--Study and teaching)  
(Teachers, Training of)

WINDING, ...

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GENERAL

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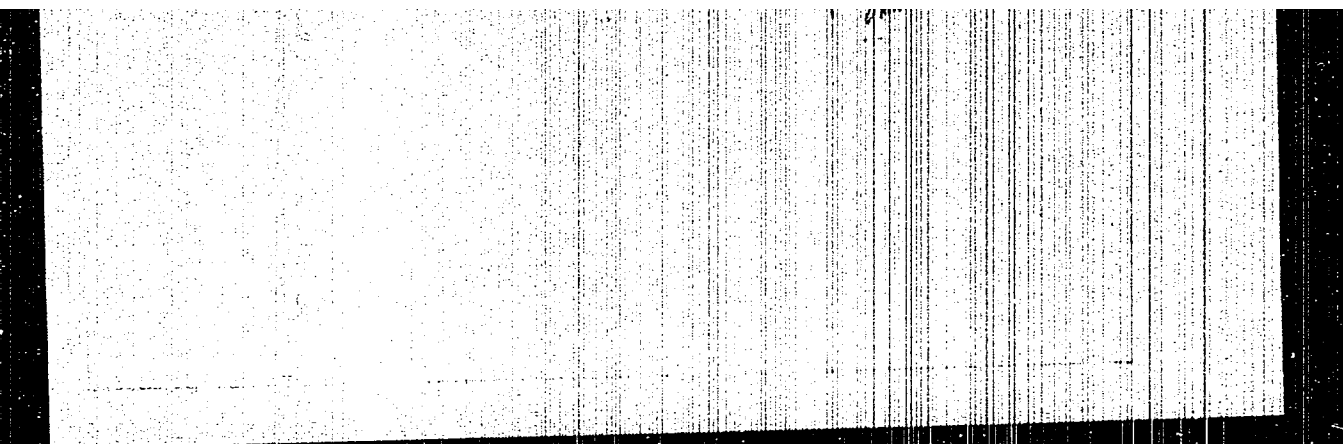
GLITSKAYA, L. A., Cand Med Sci -- (diss) "Problem of the study of protein and protein fractions in blood serum of patients with bronchial asthma." Leningrad, 1960. 9 pp; (First Leningrad Medical Inst in Academician I. P. Pavlov, Chair of Hospital Therapy, Chair of Biochemistry); 200 copies; price not given; (KL, 17-60, 16c)

SECRETARY OF DEFENSE

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L 1156-66 EWT(m)/EPF(c)/EMP(j)/T RPL W/RM

ACCESSION NR: AP5022007

UR/0286/65/000/014/0078/0078  
678.744.72-134.567

44.55 44.55 44.55 38  
AUTHOR: Ushakov, S. N.; Panarin, Ye. F.; Glinskaya, O. V. B

TITLE: A method for producing copolymers of vinyl alcohol and vinyl mercaptan.  
Class 39, No. 172993 15

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 78

TOPIC TAGS: vinyl alcohol, mercaptan, copolymer, polymerization

ABSTRACT: This Author's Certificate introduces: 1. A method for producing copolymers of vinyl alcohol and vinyl mercaptan. Polymers of vinyl esters are treated with hydrosulfides or sulfides of alkali metals in a solution of an inert organic solvent with the application of heat. 2. A modification of this method in which the composition of the copolymer is controlled by treating the vinyl esters in the presence of a small quantity of water.

ASSOCIATION: none

SUBMITTED: 04Feb63

NO REF SOV: 000

ENCL: 00

OTHER: 000

SUB CODE: MT, OC

Card 1/1 DP



VASIL'YEV, K. (Riga); GLINSKAYA, Ye. (Riga)

Some epidemiological characteristics of the spread of grippe in  
Riga in 1959. Vestis Latv ak no.12:133-135 '59. (EEAI 9:11)

1. Akademiya nauk Latviyskoy SSR, Institut mikrobiologii.  
(LATVIA--INFLUENZA)

GLINSKAJA, Ye. P.

EXCERPTA MEDICA Sec.2 Vol.9/12 Physiology, etc. Dec 56

5552. GLINSKAJA E. P. \*Accessory blood supply to the heart in animal experiments (Russian text) CHIRURGIJA (Mosk.) 1955, 1 (18-21) Plus. 3

The possibility of achieving additional blood supply to the heart by grafting a flap of intercostal muscle onto the epicardium was studied in 3 dogs and 27 cats. The left 4th rib was resected and a 4 cm. long flap with posterior pedicle was constructed from the musculature of the 4th intercostal space and grafted onto the epicardium over the left ventricle. Histological examination showed that an aseptic inflammation developed in the muscle flap, reaching its height at about the 12th day. At the end of the 3rd week the grafted flap and the myocardium had grown together in such a way that the joint could no longer be distinguished. New capillaries, originating from the intercostal artery included in the pedicle, formed alongside the muscle fibres of the graft. When an incision was made in the epicardium at the point at which the graft had been sutured to it, the formation of granulation tissue and connective tissue accelerated and promoted the neoformation of capillaries.

GLINSKAYA, Y.E.P., kandidat med.nauk

The technic of suturing heart wounds. Vest.khir.75 no.6:98-100  
Jl '55. (MLRA 8:10)

1. Iz kafedry operativnoy khirurgii (zav.--prof. A.P.Nadein)  
Gosudarstvennogo ordena Lenina instituta usovershenstvovaniya  
vrachey im. S.M. Kirova. Leningrad, ul. Chaykovskogo, d.33,  
kv.34.

(HEART, surg.

suturing technic)

(SUTURES

in heart surg., technic)

GLINSKAYA, Ye.P., zaslužhennyy vrach RSFSR

Strengthening a cardiac suture with an intercostal muscle graft.  
Khirurgiya 32 no.8:61-64 Ag '56. (MLRA 9:12)

1. Iz kafedry operativnoy khirurgii (zav. - prof. A.P.Nadein)  
Gosudarstvennogo ordena Lenina instituta usovershenstvovaniya vrachey  
imeni S.M.Kirova.

(HEART, surg.

strengthenings of suture with intercostal musc. graft)

(THORAX, musc.

intercostal musc. graft in heart surg.)

EXCERPTA MEDICA Sec.9 Vol.12/5 Surgery May 1958  
GLINSKY, E. P.

2818. HEART ANEURYSM. (EXPERIMENTAL STUDY) (Russian text) - Glin ska  
E. P. - VESTN.KHIR. 1957, 78/5 (71-74 and 159) Tables 1

In the 25 yr. elapsed since the first aneurysmorrhaphy, 13 similar interventions were published. There were 2 fatalities. The interventions were: (1) suturing of the aneurysm, (2) resection of the aneurysmatic sac and (3) reinforcement of the thinned wall by different plastic tissues. In 13 experimental animals a traumatic heart aneurysm was created in order to test different methods of aneurysmorrhaphy as to their efficacy and results.

GLITSKAYA, Y. P.: Doc Med Sci (USSR) -- "Cardiac output (Experimental investigation)". Unpublished, Doc. 11700 (USSR: Federal Scientific Center for the Advanced Training of Physicians in S. M. Kirov), Moscow (UZ, Dec. 1959, 111)

GLINSKAYA, Ye.P., kand.med.nauk

Temporary fixation of the heart during surgery on it. Sbor. nauch.  
trud. GIDUV no. 14:43-48 '58. (MIRA 13:10)

1. Iz kafedry operativnoy khirurgii gosudarstvennogo instituta  
dlya usovershenstvovaniya vrachey (zav. kafedroy prof. A.P.  
Madenin).

(HEART--SURGERY)

GLINSKAYA YE. V.

BERZIN', V.K.; GLINSKAYA, Ye.V.; KANEL', I.A.

Result of a mass Schick's test in determining immunity to diphtheria in children in Riga during 1951. Zhur.mikrobiol.epid. i immun. no.8: 76-79 Ag '54. (HLRA 7:9)

1. Iz Rzhakogo meditsinskogo instituta (dir. prov. E.M.Burtniek)  
i Rzhskoy gorodskoy sanitarno-epidemiologicheskoy stantsii (glavnyy  
vrach M.M.Popova)

(DIPHTHERIA, immunology,  
Schick test, results in Latvia)



BERZIN', V.K.; GLINSKAYA, Ye.V.

Effect of vitamin C on resistance to diphtheria in vaccinated children. Zhur.mikrobiol.epid. i immun.28 no.12:33-38 D '57.  
(MIRA 11:4)

1. Iz kafedry mikrobiologii Rzhskogo meditsinskogo instituta i Rzhskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.  
(DIPHTHERIA, immunology,  
vacc., eff. of vitamin C on resist. (Rus)  
(VITAMIN, C, effects,  
on diphtheria immun. in vaccinated child. (Rus)

BERZIN', V.K. [Berzin, V.]; GLINSKAYA, Ye.V.; CHEKUNINA, Ye.A.

Results of diphtheria control in Riga. Zhur. mikrobiol. epid. i immu.  
32 no.7:129-132 Ju '61. (MIRA 16:5)

1. Iz Rizhskogo meditsinskogo instituta i Rizhskoy gorodskoy sanitarno-  
epidemiologicheskoy stantsii.  
(RIGA--DIPHTHERIA--PREVENTION)

GLINSKI, B.

"Koszty własne produkcji przemysłowej i drogi walki o ich obniżenie"  
(Proper costs of industrial production and methods of their lowering), by B.  
Glinski. Reported in New Books (Nowe Książki), No. 13, July 1, 1955

GLINSKI, J.

The VIIth International Congress of Soil Science at Madison. Postepy  
nauk roln 8 no.6:127-131 '61.

(Soils)

Glin'ski, S.

631.516.2.017.7

✓ 1722. DESIGN OF CABLES FOR SHORT-CIRCUIT HEATING  
CAPACITY. S.Glin'ski.

Energetyka, Vol. 9, No. 3, 130-4 (1955). In Polish.

EE Soviet and German standards use actual short-circuit  
current magnitude and assume time of application. Polish  
standard uses actual time and assumes short-circuit current  
magnitude. All assume that all the heat generated during a  
fault is absorbed by the conductor alone. Experiments by  
Hecht (1935) indicated that some heat is absorbed by the insu-  
lation, thus increasing the thermal capacity of cable. Recogni-  
tion of this fact would permit use of smaller conductors and  
corresponding savings. J.Lukaszewicz

GLINSKI, S.

Essential problems regarding lightning protection for buildings exposed to the risk of explosion. p. 221.

PRZEGŁAD ELEKTROTECHNICZNY. (Stowarzyszenie Elektryków Polskich) Warszawa, Poland, Vol. 35, no. 5, May 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

GLINSKI, Stanislaw, mgr inż.

Automation of electric power networks. Przegl techn no.2:4.  
10 Ja '62.

1. Komitet do Spraw Techniki, Warszawa.

GLINSKI, Stanislaw, mgr inz.

Coordination of lightning protection installations with other  
installations. Wlad elektrotechn 31 no.4:79-80 Ap '63.



GLINSKI, Stanislaw, mgr inż.

Industrial safety of electric installations in departments  
affected by explosion hazards. Gosizk 17 no. 11/1970 p. 104.

GLINSKI, S.; GIELENOWSKI, J.; JANUSZKOWSKI, J.; KUCZYNSKI, K.

Seventh International Conference on Signaling Protection. Przegl  
elektrotechn 41 no.1:19-24 Jan 1964.

GLINSKI, T.

Irregularities in ventilatory equipment. p.26

(OCHRONA PRACY; BEZPIECZNIŃSTWO I HIGIENA PRACY, Vol. 12, No. 6, June 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (FAL) LC, Vol. 6, No. 5, Sept. 1957, Uncl.

1. "Lewoselas in Cattle." Polish Veterinary, Vol 18, No 3, March 1962.
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Advantages of using WSH-60 hydraulic cutters in the Makoszowy mine. Wiadom gorn 11 no. 5:167-169 My '60.

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New heating furnaces in the Boonok Metalurgical Works.  
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Combined power production management of a metallurgical plant and  
a power station for general consumption. Gosp paliw 11 no.10:  
387-389 0 '63.

BALCIKONYTE, S.; GLINKIENE, V.; KRASNAUSKA, V.; KURCIUNYTE, G.  
STUKONIS, M.

Experience with combined preventive examinations for the  
population. Sveik. apsaug. 8 no.5:38-43 '63.

1. Kipiskio rajono ligonine. Vyr. gyd. - G. Kurciunyte. Lish  
Onkologijos m. t. institutas. Direktorius - med. m. hab.  
A. Telyzenas.

(PREVENTIVE MEDICINE) (HEALTH SERVICES)



MEZHUYEV, S.F.; GLINSKIKH, V.A., starshiy elektromekhanik; MYASHNIKOV,  
A.Ya., elektromekhanik; MAZUROK, V.S.

From the editor's mail. Avtom., telem. i svyaz' 4 no.1:44  
Ja '60. (MIRA 13:4)

1. Nachal'nik Aktyubinskoy distantzii signalizatsii i svyazi  
Kazakhskoy dorogi (for Mezhuiev). 2. Sverdlovskaya distantsiya  
signalizatsii i svyazi Sverdlovskoy dorogi (for Glinskikh).
  3. Grodnenskaya distantsiya signalizatsii i svyazi Belorusskoy  
dorogi (for Myashnikov). 4. Starshiy inzhener proyektuc-  
konstruktorskogo byuro "Metallurgavtomatika" (for Mazurok).
- (Railroads--Communication systems)  
(Railroads---Signaling)

GLINSKIKH, V.A.

Connecting cord for a ten-step selector. Avtom., telem. i svyaz' 4  
no.2:32 F '60. (MIRA 13:6)

1. Strashiy elektromekhanik Sverdlovskoy distantssii signalizatsii i  
svyazi Sverdlovskoy dorogi.  
(Telephone, Automatic)

GLINSKIKH, V.A.

Requests of the participants of a railroad seminar. Avtom.,  
telem. i sviaz' 7 no.6:40-41 Je '63. (MIRA 17:3)

1. Starshiy elektromekhanik Sverdlovsk-Passazhirskoy  
distantzii signalizatsii i svyazi Sverdlovskoy dorogi.

TABLE I BOOK CITATIONS

227/3/2

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Application of Ultrasonics (Cont.)

227/3/2

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Application of Ultrasonics (Cont.)

227/3/2

Primeneniye ultrazvukovykh voln v fiziko-khimicheskikh issledovaniyakh

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1959

Primeneniye ultrazvukovykh voln v fiziko-khimicheskikh issledovaniyakh

1959

PHASE I BOOK EVALUATION 2071141

Voprosy fiziki konferentsiya professorov i prepodavateley pedagogicheskikh vuzov

Primeneniye ul'trazvukov v fizicheskikh i tekhnicheskikh naukakh. Seriya 10. (With Russian and English summaries for the Journal of Materials. No. 10. Moscow, 1974) 1974. 321 p. 1000 copies printed.

Eds.: V. E. Nazarov, Professor, and B. B. Kodryakov, Professor.

Notes: This book is intended for physicists and engineers interested in ultrasonic engineering.

CONTENTS: The collection of articles reviews present-day research in the application of ultrasound in medicine, chemistry, physics, metallurgy, geophysics, petroleum and mining engineering, defectoscopy, and other fields. No personalities are mentioned. References accompany individual articles.

Card 14a

Utilization of Ultrasonics (Cont.)

SOV/5644

Zolotova, A. I. [In-t pishchevoy tekhnologii AMN SSR - Institute of Foods Technology AMS USSR]. Study of the Effect of Ultrasonic Waves on Some Food Products of Plant Origin 207

Mikhaylov, I. G., L. I. Savina, and G. N. Feofanov [Leningr. gos. in-t - Leningrad State University]. The Problem of Ultrasonic Wave Absorption in Ethyl Acetate 215

Glaskev, A. A. [MOPI im Krupskoy - Moscow Oblast Polytechnical Institute imeni Krupskaya]. The Width of First-Order Spectra Arising During the Diffraction of Light in Damping Ultrasonic Waves of Low Intensity 235

Adkhamov, A. A. [Tadzhiksk. gos. in-t - Tadzhik State University]. The Dispersion of Sound in Liquids 243

Card 8/10

PHASE I BOOK EXPLOITATION

SC/5207

Vserossiyskaya konferentsiya professorov i prepodavateley pedagogicheskikh institutov.

Primeneniye ultrazvukov k issledovaniyu veshchestva (Utilization of Ultrasonics for the Investigation of Matter) Moscow, Izd. MOPI, 1960. 267 p. 1,000 copies printed. (Series: Its Trudy, vyp. 11)

Ed. (Title page): V.F. Nozdrev, Professor and B.B. Kudryavtsev, Professor.

PURPOSE: This collection of articles is intended for physicists specializing in the physics of ultrasound.

COVERAGE: The collection of articles constitutes the transactions of the VII Conference on the Applications of Ultrasonics to the Study of Materials, which was held at the Moscow Oblast Pedagogical Institute imeni N.K. Krupskaya. Individual articles of the collection discuss various problems in the wave mechanics of ultrasound, the absorption and the propagation mechanics of ultrasonic waves in various media, the operating principle and design of generators and receivers of ultrasonic waves, the speed of sound and methods for its determination. Other articles deal with the applications of ultrasonics to investigations of the properties of materials. No personalities are mentioned. References accompany each article.

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Utilization of Ultrasonics (Cont.)

SOV/5207

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Nozdrev, V.F., and A.A. Glinskiy [MOPI imeni N.K. Krupskoy-Moscow Oblast Pedagogical Institute]. Problems of Anomalous Absorption of Ultrasonic Waves in Liquids	3
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Utilization of Ultrasonics (Cont.)

SOV/5207

Senkevich, A.A. [Moscow Oblast Pedagogical Institute imeni N.K. Krupskaya].  
Theory of Molecular Acoustics 71

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Nature of the Stokes Factor 83

Kaspar'yants, A.A. [Odesskiy gosudarstvennyy universitet imeni I.I.  
Mechnikova-Odessa State University imeni I.I. Mechnikov]. Hydrodynamic  
Theory of the Propagation of Sound Waves in a Liquid. 95

Kuczera, F., and A. Opilski [Department of Physics of the Agricultural  
College of Olsztyn]. Verification of the Interpretation of Acoustic Con-  
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Zipir, A.D., and V.F. Yakovlev [Moscow Oblast Pedagogical Institute imeni  
N.K. Krupskaya]. Experimental Basis of Methods for Using Multiple Echo-  
Impulses to Investigate Liquid Media at Low Frequencies 107

Glinitskiy, A.A. [Moscow Oblast Pedagogical Institute imeni N.K. Krupskaya].  
Diffraction of Light on Diapal Ultrasonic Waves 205

S/058/62/000/004/062/160  
AC61/A101

AUTHORS: Nodrev, V. P., Glinskiy, A. A.

TITLE: Similarity between the coefficients of absorption and ultrasonic velocities and the thermal capacity ratio, measured by the saturation characteristic in organic liquids and their superheated vapors in the critical region

PERIODICAL: Referativnyy zhurnal. Fizika, no. 4, 1962, 39, abstract 83326 (Sb. "Primeneniye ul'trakust. k issled. veshchestva", no. 12, Moscow, 1960, 81-85)

TEXT: It is shown that the ratio of similitude  $\alpha/\alpha_0 = f(T/T_{cr}; A)$ , where  $T/T_{cr}$  is the reduced temperature and  $A$  is the determining criterion, is satisfied for the sound velocity absorption coefficient and for the thermal capacity ratio near the critical temperature. However, a similarity of  $C_v$  is not observed.

[Abstracter's note: Complete translation]

Card 1/1

S/081/63/000/002/002/088  
B180/B186

AUTHOR: Glinskiy, A. A.

TITLE: Ultrasonic wave propagation in fluids at temperatures around the critical point

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1963, 48, abstract 2B285 (In collection: Primeneniye ul'traakust. k issled. veshchestva, no. 15, M., 1961, 91-96)

TEXT: A procedure based on thermodynamic relations is suggested for calculating the sonic velocity around the critical point. The calculated figures are compared with experimental data for sulphur sesquifluoride and show a divergence of at least 24%. The sonic velocity, which increases with temperature, diverges considerably from the experimental data in the superheated steam range. [Abstracter's note: Complete translation.]

Card 1/1

S/081/62/000/009/009/075  
B177/B158

24/200

AUTHOR:

Glinitskiy, A. A.

TITLE:

The temperature dependence of the velocity of ultrasonic  
in liquids at constant density

ABSTRACT:

Referativnyi zhurnal. Khimiya, no. 2, 1962, 45.  
abstract 94202 (Sb. "Primeneniye ultrazvukov. k issled.  
veshchestva". no. 1, M., 1961, 193-197) -

TEXT: The method for calculating the velocity of sound in liquids, based  
on establishing a connection between different properties of the liquid  
and using thermodynamic relationships (RZhKhim., no. 2, 1957, 3897), is  
used to calculate the velocity of sound in a liquid at constant density  
as dependent on temperature. A formula is obtained, by which it is  
possible to calculate the velocity of sound in liquids at constant density,  
given the equilibrium density and surface tension in relation to temperature.  
The theoretical and experimental linear relations of the velocity of sound  
to temperature for ethyl acetate have the same slope, though the absolute  
calculated velocities are approximately 20% less than those observed.

Card 1/2

The temperature dependence of the ...

S/081/62/000/009/009/075  
B177/B136

The sign of the temperature coefficient of velocity and the mutual arrangement of the curves all coincide with those found by more accurate methods. This formula enables the velocity of sound in a liquid to be calculated as a function of pressure for constant temperature. Comparison of this calculation with experimental data (RZhKhiz, no. 16, 1958, 60066) for benzene also gives practically the same curve pattern, though the absolute values are somewhat different. [Abstracter's note: Complete translation.]

Card 2/2

8/281/62/010/009/010/075  
3177/3138

24.1200

AUTHOR: GILICH, A. A.

TITLE: The absorption of ultrasonic waves in associated liquids

ABSTRACT: A review of the literature. Zh. fiz. khim., no. 1, 1962, 45, abstract 5138 (Sb. "Primeneniye ul'trazvukov", compiled. Vsesoyuznaya". no. 14, L., 1961, 349-356)

TEXT: An associated liquid is regarded as a "low-pass filter," i.e. as a chain of equidistant uniform masses, interconnected by elastic and non-elastic forces. For such a filter the coefficient of absorption is zero for all frequencies less than a certain cut-off frequency, from which it begins to rise very sharply. This model applies chiefly to the acoustic properties of normal spirits, in which the formation of molecular complexes in the form of linear chains of molecules is already firmly established. It is shown that absorption in the liquid becomes greater, the longer the chains of complexes forming in it. The length to which a perturbation is propagated along the chain, owing to natural oscillation of the complexes, is 5-16 molecular diameters for spirits. Calculations

Card 1/2

The absorption of ultrasonic waves ...

S/081, 62/000/019, 018/075  
R177/R126

were performed for the following spirits: methyl alcohol, ethyl alcohol, n-propyl alcohol, n-butyl alcohol and n-amyl alcohol. Estimated dimensions of the associates, derived from ultrasonic measurements, do not contradict those from non-acoustic measurements, except in the case of methyl alcohol. The author ascribes this exception to the fact that associates in methyl alcohol may differ in form from linear chains of molecules. On the basis of the proposed model, the propagation of ultrasound is also examined in  $CS_2$ ,  $C_6H_6$ ,  $CCl_4$ , toluene, acetone and chloroform. Abstracter's note: Complete translation.

Card 2/2

$$c^2 = \frac{\gamma_{id} d_0}{M} + \gamma_{id} RT/M$$

where  $\gamma$  -- ratio of the specific heats,  $\gamma_{id}$  -- the same ratio for an ideal gas,  $\phi_0$  -- depth of potential well,  $m$ ,  $n$  -- exponents in the expression for the potential of the energy of interaction between molecules

$$\phi = \frac{A}{\sigma^n} - \frac{B}{\sigma^m}$$

If the external interaction leads to changes in the potential energy  $\phi$ , so that it is determined by a volume  $v$  different from the



Card 3/3

GLINSKIY, A.A.

Ninth All-Russian scientific conference on the application  
of ultrasonics in the study of substances. Akust. zhur. 7  
no.3:392-393 :61. (MIRA 14:9)  
(Ultrasonics)

S/052/63/000/001/105/120  
A062/A101

AUTHOR: Glinskiy, A. A.

TITLE: On the anomaly of the temperature coefficient of ultrasonic wave velocity in water

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 69, abstract 1Zh409  
(In collection: "Primeneniye ul'traakust. k issled. veshchestva".  
no. 16, Moscow, 1962, 123 - 129)

TEXT: The relation between the sound velocity and the molecular interaction allows one to obtain a correlation for computing the sound velocity in liquids on the saturation line

$$c^2 = \frac{\gamma m \cdot n \cdot \epsilon_0}{M} + \gamma_{1d} RT/M,$$

where  $\gamma$  is the ratio of thermal capacities,  $\gamma_{1d}$  - the same ratio for an ideal gas,  $\epsilon_0$  - the depth of the potential well,  $m$ ,  $n$  - power exponents in the expression for the potential energy of the molecular interaction.

Card 1/2

On the anomaly of the temperature...

S/058/63/000/001/105/120  
AC62/1101

$$\bar{\epsilon} = \frac{A}{v^n} - \frac{B}{v^m}.$$

If the external interaction brings about changes of the potential energy  $\bar{\Phi}$ , so that it is determined by the volume  $v_H$  different from the equilibrium one, then the formula for the sound velocity takes on the form:

$$c^2 = \frac{1}{M} \left[ \frac{n+1}{n-m} \left( \frac{v_0}{v_H} \right)^n - \frac{m+1}{n-m} \left( \frac{v_0}{v_H} \right)^m \right] + \gamma_{id} RT/M.$$

Recently obtained experimental data on sound velocities in water are compared with the formulae given above. The first of these formulae gives a good agreement at temperatures higher than 80°C, while in the range 0 - 80°C an anomalous behavior is observed. This anomalous behavior may be explained by structural effects. It is assumed that water has two structures, a loose and a rigid one, the sound propagation in the 0 - 80°C range being determined by the loose structure. The author suggests a method for determining  $v_H$  of the loose structure. Substitution of this value in the last one of the formulae yields a sufficient agreement with the experiment. There are 15 references.

[Abstracter's note: Complete translation]

I. Ratinskaya

Card 2/2

3/058/63/000/001/115/120  
A062/A101

AUTHOR: Glinskiy, A. A.

TITLE: On the propagation of ultra-sound waves in compressed nitrogen

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 73, abstract 12h436  
(In collection: "Primeneniye ul'trakust. k issled. veshchestva",  
no. 16, Moscow, 1962, 131 - 138)

TEXT: A formula was obtained for calculating the speed of sound in compressed gases. An attempt was made to utilize the Leonard-Johnson potential  $\varphi(r)$  for calculations in compressed gases. These calculations were carried out in compressed nitrogen at  $t = 20^\circ\text{C}$  making use of experimental data. Curves of the dependence of the sound velocity on the pressure were plotted. With the aid of the dependence curve  $\bar{c}(p)$ , the decrease of the sound velocity with the pressure at pressures up to 500 atm. is explained. The calculation of speed of sound was also carried out in compressed argon. Theoretically an inversion of the temperature coefficient of the velocity is predicted. The temperature dependence of the sound speed in nitrogen is shown, the temperature being calculated by means of a formula

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suggested by the author for a constant density 360 amagat units. The points on the curve were found by interpolation of experimental data. Calculation was made of the temperature dependence of the speed at p-const. and v-const in accordance with the author's formula. These values are, in comparison with data of other workers, lower by not more than 15% and correctly describe the decrease of velocity with the temperature at p-const and its growth at v-const.

I. Nikolayeva

[Abstracter's note: Complete translation]

Card 2/2

13207

3/046/62/003/004/012/017  
B108/B186

AUTHOR: Glinskiy, A. A.

TITLE: On the propagation of ultrasonic waves in compressed liquids

PERIODICAL: Akusticheskiy zhurnal, v. 8, no. 4, 1962, 464-471

TEXT: In a previous paper (Collection "Primen. ul'trazvukovoye k issled. veshchestva" (The use of ultrasonics in studying substances), M., Medt., 1961, 3, 191-197) the author had derived the formula

$$c^2 = \frac{\gamma m n \Phi_0}{M} \left[ \frac{n+1}{n-m} \left( \frac{v_0}{v_n} \right)^n - \frac{m+1}{n-m} \left( \frac{v_0}{v_n} \right)^m \right] + \frac{\gamma_n R T}{M} \quad (1)$$

for calculating the velocity of sound in compressed liquids.  $v_0$  is the molar volume of liquid in equilibrium with its saturated vapor,  $v_n$  is the molar volume at a pressure greater than that of the saturated vapor,  $M$  is the molecular weight,  $\gamma = c_p/c_v$ ,  $\gamma_n$  is this ratio for  $v \rightarrow \infty$ .  $n$  and  $m$  are

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the constants in the intermolecular formula for the potential energy of intermolecular interaction of the molecules of liquids:  $\bar{\Phi} = a_1 v^2 + a_2 v^3$ . The depth  $\epsilon_0$  of the potential well of the function  $\bar{\Phi}$  can be expressed in terms of the surface tension  $\sigma$  through the relation  $\epsilon_0 = 2\sigma N^{1/2} v_0^{1/2}$ , where  $N$  is Avogadro's number. This formula is checked by reference to various experimental data. Agreement is not perfect, but it is further improved by introducing a coefficient into the first term of formula (1). For water, etc., this coefficient is ~0.9. The error of the formula is ~3%. There are 2 figures.

ASSOCIATION: Moscow Oblast, Peacekeeping Institute, 12. 12. 1955, Moscow (Peacekeeping Institute, Imeni N. K. Krupskaya of the Moscow Oblast)

SUBMITTED: 12. 12. 1955

Card 1/1

6/046/63/009/001/023/026  
B104/B186

AUTHOR: Glinitskiy, A. A.

TITLE: Temperature dependence of ultrasound propagation velocities in compressed gases

PERIODICAL: Akusticheskiy zhurnal, v. 9, no. 1, 1963, 116 - 120

TEXT: On the basis of the statistical theory of compressed gases the inversion of the temperature coefficient of sound velocity as a function of pressure is studied. The formula of sound velocity

$$c^2 = \frac{p}{\rho} \left[ \frac{\partial^2 \ln \gamma}{\partial v^2} \right]_T + \frac{p}{\rho} \frac{p}{T} \quad (1)$$

is derived from the thermodynamic equation

$$\frac{c^2}{\gamma} + T \left[ \frac{\partial \left( \frac{c^2}{\gamma} \right)}{\partial T} \right]_p = \frac{p}{M} \left( \frac{\partial E}{\partial v} \right)_T \quad (2)$$

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Temperature dependence of ultrasound...

3/046/E3/000/001/023/026  
B104/B165

when E is given by the equation of state

$$E = \frac{1+3}{2}RT + \frac{1}{2}Nz\varphi(r). \quad (2)$$

Formula (1) makes it possible to explain the inversion from the form of the pair-interaction potential  $\varphi(r)$ . Here,  $p_{\infty}$  is the value of  $p$  with  $z \rightarrow \infty$ ,  $m$  is the molecular mass,  $v$ , is the volume belonging to one molecule. In a wide pressure range a qualitative accordance between calculation results obtained with

$$\varphi(r) = 4a \left[ \left( \frac{2}{r} \right)^{12} - \left( \frac{2}{r} \right)^6 \right]. \quad (5)$$

and experimental data is achieved for  $z = 2$  and  $a = 1$ . This corresponds to sound propagation along one-dimensional chains of molecules neglecting shear tensions. At low pressures the values obtained with  $z = 2$  and  $a = 1$  are smaller than those obtained with  $z = 6$  and  $a = 1$ . At pressures of 4000 - 5000 atm the values obtained with  $z = 12$  and  $a = 1/2$  agree with those obtained with  $z = 2$  and  $a = 1$ . There are 4 figures.

ASSOCIATION: Moscow Oblast' pedagogicheskiy institut im. N. K. Krupskoy  
(Moscow Oblast' Pedagogical Institute imeni N. K. Krupskaya)

SUBMITTED: May 22, 1962

Card 2/2

ACCESSION NR: AP4036580

S/0139/64/000/002/0185/0186

AUTHOR: Glinskiy, A. A.

TITLE: Computation of sound velocities in compressed fluids

SOURCE: IVUZ. Fizika, no. 2, 1964, 185-186

TOPIC TAGS: sound velocity, compressed fluid, calorific equation of state, thermodynamics, molecular weight, molar volume, heat capacity

ABSTRACT: Under certain simplified assumptions, knowing the calorific equation of state, the author computes the dependence of sound velocity on pressure. He shows that this can be done from knowledge of the properties of the fluid alone, when the fluid is in equilibrium with its saturated vapor. He shows how to avoid certain previous limitations. Orig. art. has: 2 figures and 8 formulas.

ASSOCIATION: Moskovskiy podinstitut imeni M. K. Krupskoy (Moscow Pedagogical Institute)

SUBMITTED: 10Dec62

DATE ACQ: 05Jun64

ENCL: 00

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ACCESSION NR: AP4036580

SUB CODE: AI

NO REF SOV: 003

OTHER: 002

Card 2/2

L 28541-66 EWP(k)/EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AR6016782

SOURCE CODE: UR/0081/65/000/023/B084/B084

AUTHOR: Glinitskiy, A. A.

28  
B

TITLE: The mechanism of the ultrasound effect on formation of primary crystallization centers in melts.

SOURCE: Ref. zh. Khimiya, Abs. 238620

REF SOURCE: Sb. Primeneniye ul'trazvukust. k issled. veshchestva. Vyp. 20. M., 1964, 3-10

TOPIC TAGS: ultrasonic effect, metal melting, crystallization

ABSTRACT: An analysis is made of the possible causes of the development of a fine-grained structure in an ingot, and of the decrease in the crystallization time under the effect of ultrasound. One of the causes is the influence of ultrasound on the rate of formation of crystallization centers. It is assumed that the difference in the specific free energies of the liquid and solid phases can be expressed as the sum of (a) the energies which are independent of changes in volume resulting from the action of the sound field and (b) the energy which depends on these changes. The relative increase in the number of crystallization centers and the decrease in time required for solidification of an ingot exposed to ultrasound under isothermal conditions are calculated.

G. Abramov.

SUB CODE: 11, 20/ SUBM DATE: none

Cord 1/1